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09/533,148	03/23/2000	Eddie Huey Chiun Lin	99-313	1189

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EXAMINER

BARQADLE, YASIN M

ART UNIT PAPER NUMBER

2153

DATE MAILED: 06/02/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

09/533,148

Applicant(s)

LIN, EDDIE HUEY CHIUN

Examiner

Yasin M Barqadle

Art Unit

2153

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 11 March 2003.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-25 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-25 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.  
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

## Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some \* c) ☐ None of:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  
\* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_\_ 6) ☐ Other: \_\_\_\_\_

**DETAILED ACTION**

1. Claims 1-25 are presented for examination.

***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-25 are rejected under 35 U.S.C. 102(e) as being anticipated by Feldmann Pub No. US (20020021675 A1)

3. As per claim 1 and 14, Feldmann teaches a method for analyzing a data network having a plurality of routers comprising:

accessing at least one of static routing information and route summarization information [Figs. 4 and 5; page 1, paragraphs 0010 and page 3, Paragraphs 0031-34];

determining an identity of a network prefix using the accessed information [page 3, Paragraphs 0030-34]; and

analyzing the data network using the determined identity [Fig. 4 and page 3, Paragraphs 0031-36].

4. As per claim 2 and 15, Feldmann teach a method wherein the accessing includes:

accessing at least one of a static routing table and open shortest path first route summarization table [Figs. 2 & 4; page 3, Paragraphs 0030-36].

5. As per claim 3 and 16, Feldmann teach a method wherein determining includes:

determining router information, interface information, and association information for the networks prefix [Fig. 1, page 2, Paragraphs 0024-31].

6. As per claim 4 and 17, Feldmann teach the method wherein analyzing includes:

analyzing traffic of data network [page 2, Paragraphs 0022-0024].

7. As per claim 5 and 18, Feldmann teach the method wherein analyzing includes:

modeling the data network [page 2, Paragraphs 0022].

8. As per claim 6 and 19, Feldmann teach the method wherein the determining includes:

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determining an identity of an exit or entry router in the data network [page 2, paragraphs 0024 to page 3, Paragraphs 0031].

9. As per claim 7, Feldmann teach a system for analyzing a data network having a plurality of routers, said system comprising:

means for accessing at least one of static routing information and route summarization information [Figs. 4 and 5; page 1, paragraphs 0010 and page 3, Paragraphs 0031-34];

means for determining, an identity of a network prefix using the accessed information [page 3, Paragraphs 0030-34]; and

means for analyzing the data network using the determined identity [Fig. 4 and page 3, Paragraphs 0031-36].

10. As per claim 8, Feldmann teach a system for analyzing a data network, said system comprising:

a memory configured to store information representing static routing information and route summarization information [Fig. 2 and page 2, paragraphs 0024]; and

a processor configured to:

access at least one of the static routing information and the route summarization information [Figs. 4 and 5; page 1, paragraphs 0010 and page 3, Paragraphs 0031-34];

determine an identity of a network prefix using the accessed information [page 3, Paragraphs 0030-34]; and

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analyze the data network using the determined identity [Fig.4 and page 3, Paragraphs 0031-36].

11. As per claim 9, Feldmann teach a system wherein, when accessing, the processor is configured to:

accessing at least one of a static routing table and open shortest path first route summarization table [Figs. 2 & 4; page 3, Paragraphs 0030-36].

12. As per claim 10, Feldmann teach a system wherein, when determining, the processor is configured to:

determining router information, interface information, and association information for the networks prefix [Fig. 1, page 2, Paragraphs 0024-31].

13. As per claim 11, Feldmann teach a system wherein, when analyzing, the processor is configured to:

analyze traffic of the data network using the determined identity [page 2, Paragraphs 0022-0024].

14. As per claim 12, Feldmann teach a system wherein, when analyzing, the processor is configured to:

model the data network using the determined identity [page 2, Paragraphs 0022].

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15. As per claim 13, Feldmann teach a system wherein, when determining, the processor is configured to:

determine an identity of an exit or entry router in the data network [page 2, paragraphs 0024 to page 3, Paragraphs 0031].

16. As per claim 20, Feldmann teach a method for determining an identity of a network device, the network device being associated with a network prefix, the method comprising:

accessing one or more of a border gateway protocol peering table, a static route table, an open shortest path first route summarization table, and a network topology table [Fig. 2 and 4, page 1, paragraphs 0010 and page 3, Paragraphs 0031-34];

determining whether one of the accessed tables contains the network prefix [Fig. 4 and page 3, Paragraphs 0030-34]; and

determining an identity of the network device when a table is determined to contain the network prefix [Figs. 4 and 5; page 2, paragraphs 0024 to page 3, Paragraphs 0031].

17. As per claim 21, Feldmann teach a method wherein the determining an identity includes:

determining router information, interface information, and association information [Fig. 1, page 2, Paragraphs 0024-31].

18. As per claim 22, Feldmann teach a system for determining an identity of a network device, the network device being associated with a network prefix, the system comprising:

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a memory configured to store one or more of a border gateway protocol peering table, a static route table, an open shortest path first route summarization table, and a network topology table [Fig. 2, page 2, paragraphs 0024]; and

a processor (Fig. 2, 210) configured to:

access, from the memory, one or more of the border gateway protocol peering table, the static route table, the open shortest path first route summarization table, and the network topology table [Figs. 4 and 5; page 1, paragraphs 0010 and page 3, Paragraphs 0031-34];

determine whether one of the accessed tables contains the network prefix [page 1, paragraphs 0010 and page 3, Paragraphs 0031-34]; and

determine an identity of the network device when a table is determined to contain the network prefix [page 1, paragraphs 0010 and page 2, paragraphs 0024 to page 3, Paragraphs 0031-34].

19. As per claim 23, Feldmann teach a system wherein, when determining an identity, the processor is configured to:

determine router information, interface information, and association information [Fig. 1, page 2, Paragraphs 0024-31].

20. As per claim 24, Feldmann teach a computer-readable medium containing instructions for controlling at least one processor to perform a method that determines an identity of a network device,

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the network device being associated with a network prefix, the method comprising:

accessing, from a router, one or more of a border gateway protocol peering table, a static route table, an open shortest path first route summarization table, and a network topology table [Figs. 4 and 5; page 1, paragraphs 0010 and page 2, paragraphs 0024 to page 3, Paragraphs 0031-34];

determining whether one of the accessed tables contains the network prefix [Fig. 4 and page 3, Paragraphs 0030-34].

21. As per claim 25, Feldmann teach the computer-readable medium of claim 24 wherein the determining an identity includes:

determining router information, interface information, and association information [Fig. 1, page 2, Paragraphs 0024-31].

### Conclusion

22. The prior Art made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Yasin M Barqadle whose telephone number is 703-305-5971. The examiner can normally be reached on 9:00 AM to 5:30 PM.

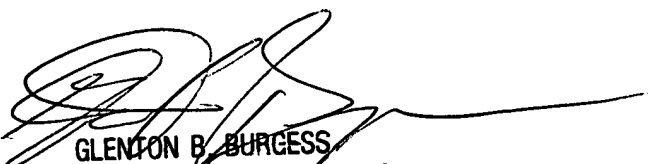
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Glenn Burgess can be

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reached on 703-305-9717. The fax phone numbers for the organization where this application or proceeding is assigned are 703-746-7239 for regular communications and 703-746-7238 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-304-3900.

Yasin Barqadle



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